

"THE KASH."

If you want to be in the WHIRL you must wear up-to-date Furnishings. You may as well be out of the world as out of fashion. We can put all the Fancy Furnishings on you for little money.

Our Men's Furnishings

ARE Dainty Creations of Fashion's Artists, made to please particular people. Step in, inspect, be wise and buy. We can surely help you to be happy.

Our HAT STOCK is now complete in every detail.

Likewise our CLOTHING for Men and Boys, as well as the Little Tots. Up-to-Date is our motto at our two stores—One at the corner of Hotel and Fort streets, and the old stand Nos. 9 and 11 Hotel street.

"THE KASH."

BAILEY'S BIKES Telephone 398.
P. O. Box 441.

Exclusively Bicycles!

MANSON WHEELS with Puncture-Proof Tires, \$45. cash.
This is a bargain. The wheels are second to none and THE TIRES—they are THE ONLY TIRE for Honolulu.
The MAJESTIC GAS LAMP is the one Gas Lamp. You get it for \$4.00 with a supply of Carbide.

Stearns Bicycles,

Cushion Frame and Sager Chainless Bicycle Foot Pumps, a NEW KIND with washers that cannot be misplaced.
Your Repairing on Bicycles goes to Bailey, of course, but just a word to say that you can get your old wheel put into the very newest shape at a very small expense, at

BAILEY'S HONOLULU CYCLERY.
228 and 231 King Street.

The Washington Light Co.

TELEPHONE 1111

Masonic Temple. : : : : Alakea Street.
HONOLULU, H. I.



AGENTS FOR THE
New Invention
UNDERWRITER'S FIRE
EXTINGUISHER.

Adopted by the U. S. Government.
Officially endorsed by twenty-four Boards of Underwriters. In use in Fire Departments of twenty-six leading cities. \$2,000 already in use all over the world.

No valves. No machinery. A child can use it.

WITH A.....
Complete Plant
and expert workmen,
we turn out work
that cannot be
SURPASSED
anywhere.

"BOOK BINDING."
No Book
is too old to be
REPAIRED!
See us about it be-
fore you throw your
old books away.

Hawaiian Gazette Co.
VON HOLT BLOCK, KING STREET.

Read the Advertiser.

WIRELESS COMMUNICATION

(Continued from page 1.)

THE PROPOSED PRACTICAL METHOD OF INSTALLATION.

It is proposed to have five stations, each with instruments in duplicate, installed at some convenient point on each of the five principal Islands of the group. These stations will be placed in some convenient location, at a low elevation, adjacent to some town or plantation settlement, with a receiving office at the most convenient place for the transaction of business. In Honolulu there will be a central office with messenger service. In the other Islands the telephone will be used and those who send and receive messages will have their option to send them over the telephone wire or by special messenger. It is the intention to have a private wire from Hilo to the station on Hawaii. The promoters at first believed that it would be necessary to have separate stations on each side of each Island; but Mr. Marconi was satisfied that one station on each Island would answer every purpose and that messages would be transmitted direct from Hawaii to Oahu.

The experiments, conducted under the inspection of Admiral Farquhar of the United States Navy, were an entire success. They were witnessed by Mr. Cross in person and during all of one day messages were received in a severe storm and the instruments worked to perfection. They did not drop a single letter in the transmission or reception of a large number of messages, some of which were in cipher and very difficult to send. The time of sending and receiving messages by this system is only about as long again as in the ordinary method of telegraphy. The messages are received on an instrument that records them and are not taken by the ear; so there can be no mistake on the part of the operator if he is at all familiar with his business, and it is the intention of the promoters to secure only experienced men. Mr. Marconi is to furnish three specialists who will be here to install the system and oversee its operation for four months after everything is complete, and they are to thoroughly instruct the operators in all necessary details. Mr. Marconi, after carefully considering the matter, said that there would be no difficulty whatever in connecting the Islands and installing a satisfactory system, and the contract is so drawn that no loss will be sustained by the subscribers in the event, which we regard as extremely improbable, of the system proving impracticable. The company's specialists are to be here on or about the 1st of February, 1900, and it is hoped that the system will be in operation within a month from that time. The contract with the Wireless Telegraph & Signal Company, Ltd., which has secured full patent rights in England and America, provides that we shall use the system, if found to be satisfactory, for at least a term of five years; that we shall have the right to continue the use of said system during the residue of the term for which the Marconi Co. has obtained patent rights with the right to use all future improvements which may be controlled by the company. The franchise applies to all of the Islands of this group and a distance of 200 miles from shore with the right to communicate between any vessels within said radius, but not to debar the United States Government using instruments of its own for government use only in the same territory.

ANNUAL EXPENSES.

The annual expenses of operating the system have been estimated as follows:

Annual Royalty for use of the instruments.....	\$ 2,500.00
Salary of five operators.....	5,000.00
(This item may be under-estimated for the first year as it may be necessary to bring skilled operators from the Mainland, but the estimate is believed to be an average estimate of this annual expenditure.)	
Manager's salary	3,500.00
Rent	1,000.00
Wear and tear and incidental expenses.....	1,500.00
Total	\$13,500.00

DIVIDENDS.

There are twenty or more sugar plantations on the Island of Hawaii, two on Molokai, eleven on Maui, and ten on Kauai. Besides these, there are a large number of cattle ranches and local stores. Travel between the Islands is surprising to one who is unacquainted with the actual figures and it is increasing all the time. The Wilder's S. S. Co., estimate that they average to carry 150 first class passengers each week. The Inter-Island Company have carried 1692 first class passengers in the last three months or an average of about 140 per week. In addition to these there are some 900 deck passengers. When a system of telegraphy is installed between the Islands, there will be a greater number of friendly visits back and forth. Many persons hesitate to go now for the want of immediate communication with their homes.

It is safe, then, to estimate that there will be an average of at least 10 messages each way, daily, between Oahu and Hawaii, and five between Oahu and each of the other Islands, and it is not unlikely that these messages will average \$2.00 each. That would be 50 times \$2.00 or \$100.00, daily, or \$36,500.00 per year. Deducting from this the annual expenditure of \$13,500.00 would make the total net profit \$23,000.00 or on the lowest basis a dividend of 23 per cent.; but say that there are 25 messages each way daily between Oahu and Hawaii, and 12 between Oahu and each of the other Islands, that would make a total of 122 messages, which, at an average of \$2.00 each, would make \$244.00 per day or \$89,060.00 per year, or a dividend of 89 per cent.; if there were the same number of messages at the minimum of \$1.00 each, the dividend would be about 45 per cent. With the probable increase of white population the returns on this investment will rapidly increase. This is more especially true in view of the likelihood of the early laying of a Pacific cable. On the other hand the expenses will grow relatively smaller.

SUBSCRIPTIONS AND ASSESSMENTS.

It is proposed that 15 per cent. of the assessable stock, that is \$7.50 per share, be payable upon subscription. The other assessments to be paid in 5 or 10 per cent. installments as called for during the next twelve months. Subscription lists will be open to the public on Monday the 27th day of November, 1899, at 9 o'clock in the forenoon, at the office of the undersigned, next to the Postoffice. If the subscriptions are in excess of the amount of available stock, such stock will be assigned pro rata to the subscribers, and a proportionate amount of the subscriptions will be returned.

FRED. J. CROSS,
R. D. SILIMAN,
Promoters.

New Line

Paper

Novels,

By popular Writers,
Just Received!

HAWAIIAN NEWS CO.,
LIMITED.

PRICES:

25 and 50 Cents
..... EACH

REFRIGERATORS AND ICE CHESTS

ASSORTED SIZES.

PANSY STOVES, 6, 7 and 8.
BUCK STOVES, 9 and 10.
BLUE FLAME OIL STOVES, 2, 4 and 5 Burners.

Aermotor Wind Mills

8, 10, 12 and 16 feet. Piping 12 and 16 feet. Geared with pumps to lift.

WINDMILL OIL.

NON-SHRINKING

Wooden Tanks

500 to 10,000 Gallons.

Rubber Hose

For Garden, Assorted Sizes.
STEAM HOSE, Assorted Sizes.
SUCTION HOSE, Assorted.

Leather Belting,

Assorted Sizes, both Single and Double.

The Hawaiian Hardware Co.
LIMITED—
307 FORT STREET.

Real Estate For Sale.

DELIGHTFUL HOME on Waikiki Beach Road.
LODGING HOUSE, complete, centrally located; good investment.

Apply

P. E. R. STRAUCH,

REAL ESTATE BROKER,
Corner Bethel and King Streets.

J. LANDO OUTFITTER AND FURNISHER

FORT STREET, NEAR KING.

Always on hand with a full line of MEN'S AND BOYS' FURNISHINGS. The depot for BOSS OF THE ROAD OVERALLS, JUMPERS, CARPENTERS', COOKS' AND WAITERS' APRONS, WHITE, COLORED AND CREPE SHIRTS. In Great Variety... Fine line of MEN'S AND BOYS' HATS—WOOL, CRASH, STRAW or PANAMAS. Wool and Cotton Underwear, Hose for Men and Boys, Collars, Ties and Any and Every Thing Needed.

J. LANDO, FORT STREET.

HAVE JUST OPENED

A Shop in the Aloha Building, Fort street, near Vineyard.

I am now prepared to do all kinds of **PLUMBING, TINNING**

and **GENERAL JOBBING**
REASONABLE PRICES.

WM. W. GRAHAM.

REMOVAL NOTICE.

G. SOMMA HAS REMOVED HIS Barber Shop from the Orpheum block to one door below the Myrtle Cigar Store, Fort street, and will be pleased to meet his friends and patrons at his new parlors. 5379

WM. G. IRWIN & CO

—LIMITED—

Offer for Sale:

REFINED SUGARS.

Cube and Granulated.

PARAFINE PAINT CO.'S

Paints, Compounds and Building Papers.

PAINT OILS,

Lincol—Raw and Boiled.
Linsed—Raw and Boiled.

INDURINE,

Water-proof cold-water Paint. Inside and outside; in white and colors.

FERTILIZERS.

Alex. Cross & Sons' high-grade Scotch fertilizers, adapted for sugar cane and coffee.

N. Ohlandt & Co's chemical Fertilizers and finely ground Bone Meal.

STEAM PIPE COVERING,

Reed's patent elastic sectional pipe Covering.

FILTER PRESS CLOTHS,

Linen and Jute.

CEMENT, LIME & BRICKS

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WESTERN SUGAR REFINING CO.,
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BALDWIN LOCOMOTIVE WORKS,

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NEWELL UNIVERSAL MILL CO.,

(Manf. "National Cane Shredder"),
New York, U. S. A.

OHLANDT & CO

San Francisco, Cal.

RISDON IRON AND LOCOMOTIVE WORKS,

San Francisco, Cal.



A Model Plant is not complete without Electric Power, thus dispensing with small engines.

Why not generate your power from one CENTRAL station? One generator can furnish power to your Pump, Centrifugals, Elevators, Pumps, Railways and Hoists; also, furnish light and power for a radius of from 15 to 30 miles.

Electric Power being used, saves the labor of hauling coal in your field, also water, and does away with high-priced engineers, and only have one engine to look after in your mill.

Where water power is available it costs nothing to generate Electric Power.

THE HAWAIIAN ELECTRIC COMPANY is now ready to furnish Electric Plants and Generators of all descriptions at short notice, and also has on hand a large stock of Wire, Chandlers and Electrical Goods.

All orders will be given prompt attention, and estimates furnished for Lighting and Power Plants; also, attention is given to House and Marine Wiring.

THEO. HOFFMAN, Manager.

WM. G. IRWIN & CO.,

LIMITED.

Wm. G. Irwin, President & Manager
Claus Spreckels, Vice President
W. M. Giffard, Secretary & Treasurer
H. M. Whitney, Jr., Auditor

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—AND—

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